

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--------------------|------------------|---------|---------------------|
| S1 | 1918 | butyl adj titanate | US-PGPUB; USPAT | OR | ON | 2008/06/04 12:31 |
| S2 | 19 | (butyl adj titanate) with precursor | US-PGPUB; USPAT | OR | ON | 2008/06/04 12:31 |
| S3 | 1 | (butyl adj titanate) same ethanol same water same diethanolamine | US-PGPUB; USPAT | OR | ON | 2008/06/04 12:32 |
| S4 | 1393 | (sol solgel (sol adj gel)) same titanate and (titania (titanium adj (oxide dioxide))) | US-PGPUB; USPAT | OR | ON | 2008/06/04 14:00 |
| S5 | 113 | (sol solgel (sol adj gel)) same titanate and (titania (titanium adj (oxide dioxide))) same ethanol | US-PGPUB; USPAT | OR | ON | 2008/06/04 14:00 |
| S6 | 46 | (sol solgel (sol adj gel)) same titanate same ethanol and (titania (titanium adj (oxide dioxide))) | US-PGPUB; USPAT | OR | ON | 2008/06/04 14:00 |
| S7 | 46 | ((sol solgel (sol adj gel)) same titanate same ethanol) and (titania (titanium adj (oxide dioxide))) | US-PGPUB; USPAT | OR | ON | 2008/06/04 14:00 |
| S8 | 1553 | ((solgel (sol adj gel)) same titanate) | US-PGPUB; USPAT | OR | ON | 2008/06/04 14:05 |
| S9 | 27 | ((solgel (sol adj gel)) same titanate same ethanol) | US-PGPUB; USPAT | OR | ON | 2008/06/04 14:05 |
| S10 | 11 | ((solgel (sol adj gel)) same titanate same butyl) | US-PGPUB; USPAT | OR | ON | 2008/06/04 14:05 |
| S11 | 3 | ((solgel (sol adj gel)) same ethanol same water same diethanolamine) | US-PGPUB; USPAT | OR | ON | 2008/06/04 14:16 |
| S12 | 34 | ((solgel (sol adj gel)) same titanate) same (titanium adj dioxide) | US-PGPUB; USPAT | OR | ON | 2008/06/04 14:59 |

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|-----|-----|--|------------------------------|----|-----|---------------------|
| S13 | 1 | ("6340711").PN. | US-PGPUB; USPAT | OR | OFF | 2008/06/04 15:47 |
| S14 | 9 | ("2463791" "3304200" "4152679" "5401573").PN. OR ("5879811").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/06/04 15:57 |
| S15 | 773 | ((solgel (sol adj gel)) same ethanol same water) | US-PGPUB; USPAT | OR | ON | 2008/06/04 15:57 |
| S16 | 21 | ((solgel (sol adj gel)) same ethanol same water) and (polyglycol octadecylamine) | US-PGPUB; USPAT | OR | ON | 2008/06/04 15:57 |
| S17 | 1 | ("5558849").PN. | US-PGPUB; USPAT | OR | OFF | 2008/06/04 16:25 |
| S18 | 4 | ((solgel (sol adj gel)) same octadecylamine) | US-PGPUB; USPAT | OR | ON | 2008/06/04 16:27 |
| S19 | 3 | (solgel (sol adj gel)) and (polyglycol octadecylamine) same pore | US-PGPUB; USPAT | OR | ON | 2008/06/04 16:27 |
| S20 | 77 | (gel) and (polyglycol octadecylamine) same pore | US-PGPUB; USPAT | OR | ON | 2008/06/04 16:28 |
| S21 | 3 | (gel) same (polyglycol octadecylamine) same pore | US-PGPUB; USPAT | OR | ON | 2008/06/04 16:28 |
| S22 | 150 | (polyglycol octadecylamine) same pore | US-PGPUB; USPAT | OR | ON | 2008/06/05 11:07 |
| S23 | 204 | coat\$3 same (fabric paper) with (titania (titanium adj \$2oxide) "tio.sub.2") and (titania (titanium adj \$2oxide) "tio.sub.2") same (gel solgel (sol adj gel)) | US-PGPUB; USPAT | OR | ON | 2008/06/05 11:25 |
| S24 | 146 | coat\$3 with (fabric paper) with (titania (titanium adj \$2oxide) "tio.sub.2") and (titania (titanium adj \$2oxide) "tio.sub.2") same (gel solgel (sol adj gel)) | US-PGPUB; USPAT | OR | ON | 2008/06/05 11:26 |

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| S25 | 38 | coat\$3 with (fabric paper) with (titania (titanium adj \$2oxide) "tio.sub.2") same (gel solgel (sol adj gel)) | US-PGPUB; USPAT | OR | ON | 2008/06/05 11:26 |
| S26 | 42 | coat\$3 with (fabric) with (titania (titanium adj \$2oxide) "tio.sub.2") and (titania (titanium adj \$2oxide) "tio.sub.2") same (gel solgel (sol adj gel)) | US-PGPUB; USPAT | OR | ON | 2008/06/05 11:31 |
| S27 | 41 | coat\$3 with (flexible) with (titania (titanium adj \$2oxide) "tio.sub.2") and (titania (titanium adj \$2oxide) "tio.sub.2") same (gel solgel (sol adj gel)) | US-PGPUB; USPAT | OR | ON | 2008/06/05 13:00 |
| S28 | 41 | coat\$3 with substrate with (titania (titanium adj \$2oxide) "tio.sub.2") and (titania (titanium adj \$2oxide) "tio.sub.2") same (gel solgel (sol adj gel)) and substrate with fabric | US-PGPUB; USPAT | OR | ON | 2008/06/05 13:01 |
| S29 | 1 | (thermal adj crystallization) with hydrothermal | US-PGPUB; USPAT | OR | ON | 2008/06/05 13:24 |
| S30 | 1832 | (crystallization) with hydrothermal | US-PGPUB; USPAT | OR | ON | 2008/06/05 13:24 |
| S31 | 1 | (crystallization) with hydrothermal adj kettle | US-PGPUB; USPAT | OR | ON | 2008/06/05 13:24 |
| S32 | 1 | (crystallization) with hydrothermal and S28 | US-PGPUB; USPAT | OR | ON | 2008/06/05 13:25 |
| S33 | 1 | (crystallization) with hydrothermal and S24 | US-PGPUB; USPAT | OR | ON | 2008/06/05 13:25 |
| S34 | 1 | (crystallization) with hydrothermal and S23 | US-PGPUB; USPAT | OR | ON | 2008/06/05 13:25 |
| S35 | 1344 | (crystallization) with hydrothermal and (titania (titanium adj \$2oxide) "tio.sub.2") | US-PGPUB; USPAT | OR | ON | 2008/06/05 13:25 |
| S36 | 194 | (crystallization) with hydrothermal same (titania (titanium adj \$2oxide) "tio.sub.2") | US-PGPUB; USPAT | OR | ON | 2008/06/05 13:25 |

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| S37 | 194 | (crystallization) with hydrothermal same (titania or (titanium adj \$2oxide) or "tio.sub.2") | US-PGPUB; USPAT | OR | ON | 2008/06/05 13:26 |
| S38 | 194 | (crystallization) with hydrothermal same (titania or ("titanium oxide") or ("titanium dioxide") or "tio.sub.2") | US-PGPUB; USPAT | OR | ON | 2008/06/05 13:27 |
| S39 | 47 | (crystallization) with hydrothermal same (titania! or ("titanium oxide") or ("titanium dioxide") or "tio.sub.2") | US-PGPUB; USPAT | OR | ON | 2008/06/05 13:53 |
| S40 | 14 | ("4561872" "4680049" "4684385" "4925603" "5023208" "5076980" "5156895" "5236483" "5275796" "5473826" "5553658" "5558849" "5686031" "6099792"). PN. OR ("6514454"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/06/05 14:00 |
| S41 | 9 | ("2463791" "3304200" "4152679" "5401573").PN. OR ("5879811").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/06/05 14:01 |
| S42 | 1850 | photocatalyst with (titania! or ("titanium oxide") or ("titanium dioxide") or "tio.sub.2") | US-PGPUB; USPAT | OR | ON | 2008/06/05 14:02 |
| S43 | 311 | photocatalyst with (titania! or ("titanium oxide") or ("titanium dioxide") or "tio.sub.2") same (solgel sol (sol adj gel)) | US-PGPUB; USPAT | OR | ON | 2008/06/05 14:03 |
| S44 | 253 | photocatalyst with (titania! or ("titanium oxide") or ("titanium dioxide") or "tio.sub.2") same (solgel sol (sol adj gel)) and crystal\$8 | US-PGPUB; USPAT | OR | ON | 2008/06/05 14:03 |

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| S45 | 11 | photocatalyst with (titania! or ("titanium oxide") or ("titanium dioxide") or "tio.sub.2") same (solgel sol (sol adj gel)) and crystal\$8 with hydrothermal | US-PGPUB; USPAT | OR | ON | 2008/06/05 14:03 |
| S46 | 1 | photocatalyst with (titania! or ("titanium oxide") or ("titanium dioxide") or "tio.sub.2") same crystal\$8 with hydrothermal | US-PGPUB; USPAT | OR | ON | 2008/06/05 14:04 |
| S47 | 35 | photocatalyst with (titania! or ("titanium oxide") or ("titanium dioxide") or "tio.sub.2") and crystal\$8 with hydrothermal | US-PGPUB; USPAT | OR | ON | 2008/06/05 14:05 |
| S48 | 3 | photocatalyst same crystal\$8 with hydrothermal | US-PGPUB; USPAT | OR | ON | 2008/06/05 14:32 |
| S49 | 3 | photocataly\$4 same crystal\$8 with hydrothermal | US-PGPUB; USPAT | OR | ON | 2008/06/05 14:32 |
| S50 | 56 | photocataly\$4 and crystal\$8 with hydrothermal | US-PGPUB; USPAT | OR | ON | 2008/06/05 14:33 |
| S51 | 2475 | coat\$3 with (fabric paper) same (gel solgel (sol adj gel)) | US-PGPUB; USPAT | OR | ON | 2008/06/05 15:14 |
| S52 | 5 | coat\$3 with (fabric paper) same (gel solgel (sol adj gel)) and crystal\$8 with hydrothermal | US-PGPUB; USPAT | OR | ON | 2008/06/05 15:18 |
| S53 | 55 | (sol solgel) with photocataly\$3 with crystal\$9 | US-PGPUB; USPAT | OR | ON | 2008/06/11 11:07 |
| S54 | 30 | (sol solgel) with photocataly\$3 with crystall\$9 | US-PGPUB; USPAT | OR | ON | 2008/06/11 11:08 |
| S55 | 1 | (sol solgel) same photocataly\$3 same crystall\$9 with hydrothermal\$2 | US-PGPUB; USPAT | OR | ON | 2008/06/11 11:40 |
| S56 | 16 | (sol solgel) same photocataly\$3 same hydrothermal\$2 | US-PGPUB; USPAT | OR | ON | 2008/06/11 11:41 |

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| S57 | 74 | (sol solgel) same photocataly\$3 and hydrothermal\$2 | US-PGPUB; USPAT | OR | ON | 2008/06/11 12:18 |
| S58 | 10 | (sol solgel) same photocataly\$3 and coated same hydrothermal\$2 | US-PGPUB; USPAT | OR | ON | 2008/06/11 12:22 |
| S59 | 52 | (paper fabric) with coat \$3 with photocataly\$2 | US-PGPUB; USPAT | OR | ON | 2008/06/11 12:27 |
| S60 | 0 | (paper fabric) with coat \$3 with photocataly\$2 and hydrothermal\$2 | US-PGPUB; USPAT | OR | ON | 2008/06/11 12:27 |
| S61 | 23 | (paper fabric) with coat \$3 with photocataly\$2 and crystall\$5 | US-PGPUB; USPAT | OR | ON | 2008/06/11 12:27 |
| S62 | 585 | (paper fabric) with coat \$3 with (photocataly\$2 titania! (titanium adj (dioxide oxide))) and (crystall\$5 hydrothermal \$2) | US-PGPUB; USPAT | OR | ON | 2008/06/11 12:30 |
| S63 | 16 | (paper fabric) with coat \$3 with (photocataly\$2 titania! (titanium adj (dioxide oxide))) same (crystall\$5 hydrothermal \$2) | US-PGPUB; USPAT | OR | ON | 2008/06/11 12:30 |
| S64 | 301 | (paper fabric) with coat \$3 with (photocataly\$2 titania! (titanium adj (dioxide oxide))) and (crystalliz\$5 hydrothermal\$2) | US-PGPUB; USPAT | OR | ON | 2008/06/11 12:31 |
| S65 | 3 | (paper fabric) with coat \$3 with (photocataly\$2 titania! (titanium adj (dioxide oxide))) same (crystalliz\$5 hydrothermal\$2) | US-PGPUB; USPAT | OR | ON | 2008/06/11 12:31 |
| S66 | 0 | (paper fabric) with coat \$3 with (photocataly\$2 titania! (titanium adj (dioxide oxide))) and (crystalliz\$5 with hydrothermal\$2) | US-PGPUB; USPAT | OR | ON | 2008/06/11 12:32 |

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| S67 | 43 | (paper fabric) with coat \$3 with (photocataly\$2 titania! (titanium adj (dioxide oxide))) and (hydrothermal\$2) | US-PGPUB; USPAT | OR | ON | 2008/06/11 12:32 |
| S68 | 7 | (paper fabric) with coat \$3 with photocataly\$2 and crystalliz\$5 | US-PGPUB; USPAT | OR | ON | 2008/06/11 12:34 |
| S69 | 61 | (substrate) with coat\$3 with photocataly\$2 and crystalliz\$5 | US-PGPUB; USPAT | OR | ON | 2008/06/11 12:34 |
| S70 | 2 | hydrothermal\$3 with (titania! (titanium adj (dioxide oxide))) same ethanol | US-PGPUB; USPAT | OR | ON | 2008/06/11 13:17 |
| S71 | 67 | hydrothermal\$3 with ethanol | US-PGPUB; USPAT | OR | ON | 2008/06/11 13:17 |
| S72 | 42 | hydrothermal\$3 with ethanol with water | US-PGPUB; USPAT | OR | ON | 2008/06/11 13:17 |
| S73 | 217 | hydrothermal\$3 with (titania! (titanium adj (dioxide oxide))) | US-PGPUB; USPAT | OR | ON | 2008/06/11 14:14 |
| S74 | 22 | hydrothermal\$3 with (titania! (titanium adj (dioxide oxide))) with crystalliz\$5 | US-PGPUB; USPAT | OR | ON | 2008/06/11 14:15 |
| S75 | 1 | hydrothermal\$3 with (titania! (titanium adj (dioxide oxide))) with ethanol | US-PGPUB; USPAT | OR | ON | 2008/06/11 14:19 |
| S76 | 1 | hydrothermal\$3 with kettle with ethanol | US-PGPUB; USPAT | OR | ON | 2008/06/11 14:19 |
| S77 | 42 | hydrothermal\$3 with ethanol with water | US-PGPUB; USPAT | OR | ON | 2008/06/11 14:20 |
| S78 | 2 | (sol solgel (sol adj gel)) same (titania (titanium adj (oxide dioxide))) same (silicate with butyl) | US-PGPUB; USPAT | OR | ON | 2008/06/11 14:42 |
| S79 | 864 | (sol solgel (sol adj gel)) same (titania (titanium adj (oxide dioxide))) same (silicate) | US-PGPUB; USPAT | OR | ON | 2008/06/11 14:42 |
| S80 | 357 | (sol solgel (sol adj gel)) with (titania (titanium adj (oxide dioxide))) with (silicate) | US-PGPUB; USPAT | OR | ON | 2008/06/11 14:42 |

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| S81 | 545 | (titania (titanium adj (oxide dioxide))) adj (sol solgel (sol adj gel)) with (silicate silica silicon) | US-PGPUB; USPAT | OR | ON | 2008/06/11 14:52 |
| S82 | 48 | (titania (titanium adj (oxide dioxide))) adj (sol solgel (sol adj gel)) with (silicate silica silicon) and (silicate silica silicon) with \$5butyl | US-PGPUB; USPAT | OR | ON | 2008/06/11 14:56 |
| S83 | 2 | (titania (titanium adj (oxide dioxide))) adj (sol solgel (sol adj gel)) with (lanthanum) and (lanthanum) with nitrate | US-PGPUB; USPAT | OR | ON | 2008/06/11 15:27 |
| S84 | 2 | (titania (titanium adj (oxide dioxide))) adj (sol solgel (sol adj gel)) with (lanthanum) | US-PGPUB; USPAT | OR | ON | 2008/06/11 15:28 |
| S85 | 84 | (titania (titanium adj (oxide dioxide))) with (sol solgel (sol adj gel)) with (lanthanum) | US-PGPUB; USPAT | OR | ON | 2008/06/11 15:29 |
| S86 | 26 | (titania (titanium adj (oxide dioxide))) with (sol solgel (sol adj gel)) with (lanthanum) and (lanthanum) with nitrate | US-PGPUB; USPAT | OR | ON | 2008/06/11 15:29 |
| S87 | 34 | (titania (titanium adj (oxide dioxide))) adj (sol solgel (sol adj gel)) and (lanthanum) with nitrate | US-PGPUB; USPAT | OR | ON | 2008/06/11 15:30 |
| S88 | 0 | photocataly\$3 with (lanthanum) with nitrate | US-PGPUB; USPAT | OR | ON | 2008/06/11 15:33 |
| S89 | 1 | photocataly\$3 same (lanthanum) with nitrate | US-PGPUB; USPAT | OR | ON | 2008/06/11 15:33 |
| S90 | 18 | (titania (titanium adj (oxide dioxide))) with photocataly\$3 and (lanthanum) with nitrate | US-PGPUB; USPAT | OR | ON | 2008/06/11 15:40 |

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